

COMPUTING TRANSCENDENTAL FUNCTIONS USING
SINGLE INSTRUCTION MULTIPLE DATA (SIMD) OPERATIONS

Abstract of the Disclosure

In one embodiment, the present invention includes a
5 method for reducing an input argument x of a function to a
range reduced value r according to a first reduction
sequence, approximating a polynomial for a corresponding
function of r having a dominant portion $f(A) + \sigma r$, and
obtaining a result for the function using the polynomial.